

## **Certificate of Analysis**

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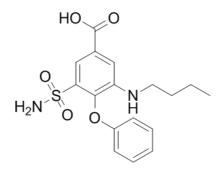
| Product Name  | : Bumetanide  |
|---------------|---|
| Cat. No.      | : PC-45286  |
| CAS No.       | : 28395-03-1  |
| Batch No.     | : PC-4528601  |
| Chemical Name | : Benzoic acid, 3-(aminosulfonyl)-5-(butylamino)-4-phenoxy- |

## PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Weight  | : 364.4161  |                 |
|-------------------|---|-----------------|
| Molecular Formula | : C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub> S |                 |
| Storage           | : Powder  | -20°C 12 Months |
|                   |   | 4°C 6 Months    |
|                   | In solvent  | -80°C 6 Months  |
|                   |   | -20°C 1 Month   |

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Chemical Structure



| ANALYTICAL DATA             |   |
|-----------------------------|---|
| Appearance                  | : Solid powder  |
| <sup>1</sup> H NMR Spectrum | : Consistent with   |
| HPLC                        | : Consistent with   |
| NP                          | : Consistent with   |
| Purity (HPLC and/or LCMS)   | : >98%  |
| Conclusion                  | : The product has been tested and complies with the given specifications. |

Caution: Product has not been fully validated for medical applications. Lab Use Only! E-mail: tech@probechem.com